

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number  
WO 2005/015969 A1

(51) International Patent Classification<sup>7</sup>: H05K 7/02, (74) Common Representative: SIEMENS AKTIENGESELLSCHAFT; Postfach 22 16 34, 80506 München (DE).

(21) International Application Number:

PCT/EP2004/051064

(22) International Filing Date: 9 June 2004 (09.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03016060.0 15 July 2003 (15.07.2003) EP

(71) Applicant (for all designated States except US):  
SIEMENS AKTIENGESELLSCHAFT [DE/DE];  
Wittelsbacherplatz 2, 80333 München (DE).

(72) Inventors; and

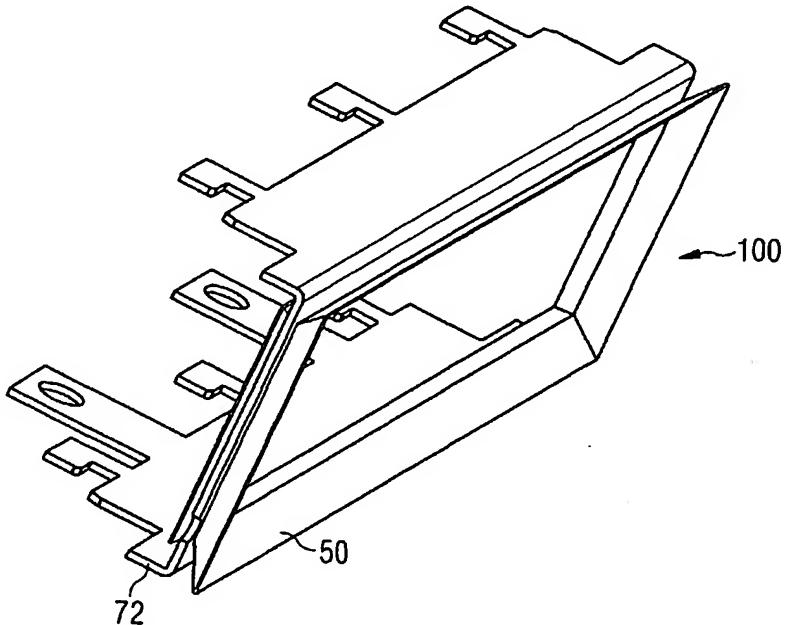
(75) Inventors/Applicants (for US only): KIRNER, Herbert [DE/DE]; Mühleschweg 11, 78052 Villingen-Schwenningen (DE). WAHLER, Torsten [DE/DE]; Scheffelstrasse 4, 78073 Bad Dürheim (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: COMPONENT CARRIER



(57) Abstract: The present invention relates to a component carrier which includes a frame (72) and a sealing lip (50). The frame includes walls defining an internal opening. The frame may be made of metal and the sealing lip of thermoplastic elastomer. The sealing lip is a single piece which is applied to the frame by injection molding or spraying. The frame may further include recesses or openings along the walls defining its cavity. The cooling thermoplastic elastomer may then grip or adhere to the walls so as to retain its shape. The current invention provides increased compensation tolerances for components accommodated therein.



**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*